

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6117441

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MAGIC LEAP, INC.	05/21/2020
	MOLECULAR IMPRINTS, INC.	05/21/2020
	MENTOR ACQUISITION ONE, LLC	05/21/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	CITIBANK, N.A., AS COLLATERAL AGENT	
<b>Street Address:</b>	388 GREENWICH STREET	
<b>City:</b>	NEW YORK	
<b>State/Country:</b>	NEW YORK	
<b>Postal Code:</b>	10013	
<b>PROPERTY NUMBERS Total: 135</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	13021461	
Application Number:	14026775	
Application Number:	14254364	
Application Number:	14309960	
Application Number:	14707354	
Application Number:	16369890	
Application Number:	16384363	
Application Number:	16384639	
Application Number:	16418820	
Application Number:	16437229	
Application Number:	16519348	
Application Number:	16520217	
Application Number:	16522540	
Application Number:	16530901	
Application Number:	16530904	
Application Number:	16535965	
Application Number:	16536220	
Application Number:	16538590	

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Property Type	Number
Application Number:	16538625
Application Number:	16538639
Application Number:	16538720
Application Number:	16538759
Application Number:	16542142
Application Number:	16543280
Application Number:	16544707
Application Number:	16555965
Application Number:	16557706
Application Number:	16558241
Application Number:	16559543
Application Number:	16560670
Application Number:	16561669
Application Number:	16562302
Application Number:	16563750
Application Number:	16565119
Application Number:	16570418
Application Number:	16570912
Application Number:	16573120
Application Number:	16573891
Application Number:	16581716
Application Number:	16582880
Application Number:	16584549
Application Number:	16584554
Application Number:	16585852
Application Number:	16588505
Application Number:	16588830
Application Number:	16591147
Application Number:	16593227
Application Number:	16593745
Application Number:	16593943
Application Number:	16593944
Application Number:	16593950
Application Number:	16594655
Application Number:	16596263
Application Number:	16596610
Application Number:	16596630
Application Number:	16597437

Property Type	Number
Application Number:	16598868
Application Number:	16599782
Application Number:	16654540
Application Number:	16654879
Application Number:	16658809
Application Number:	16659415
Application Number:	16664191
Application Number:	16670172
Application Number:	16672175
Application Number:	16672983
Application Number:	16673880
Application Number:	16675074
Application Number:	16677919
Application Number:	16678894
Application Number:	16680335
Application Number:	16682794
Application Number:	16682851
Application Number:	16683107
Application Number:	16687579
Application Number:	16692969
Application Number:	16693162
Application Number:	16694606
Application Number:	16697711
Application Number:	16698588
Application Number:	16698794
Application Number:	16703767
Application Number:	16705127
Application Number:	16713236
Application Number:	16713434
Application Number:	16719823
Application Number:	16719832
Application Number:	16719876
Application Number:	16721291
Application Number:	16721554
Application Number:	16721815
Application Number:	16737765
Application Number:	16737789
Application Number:	15988313

Property Type	Number
Application Number:	15990155
Application Number:	15991851
Application Number:	16861057
Application Number:	16864721
Application Number:	16864822
Application Number:	16865225
Application Number:	16867498
Application Number:	16867871
Application Number:	16868826
Application Number:	16870676
Application Number:	16872792
Application Number:	16875499
Application Number:	29733537
Application Number:	29733540
Application Number:	29733550
Application Number:	29733591
Application Number:	29733596
Application Number:	29733645
Application Number:	29734265
Application Number:	29734433
Application Number:	29734438
Application Number:	29734504
Application Number:	29734505
Application Number:	29734508
Application Number:	29734523
Application Number:	29734628
Application Number:	29734637
Application Number:	62768672
Application Number:	62945562
Application Number:	63017227
Application Number:	63019211
Application Number:	63020781
Application Number:	63020787
Application Number:	63022019
Application Number:	63023089
Application Number:	63023719
Application Number:	63024291
Application Number:	63024343

Property Type	Number
Application Number:	63024858
Application Number:	63025069
Application Number:	63025726

#### CORRESPONDENCE DATA

**Fax Number:** (415)693-2222

***Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***

**Phone:** 4156932000

**Email:** crhem@cooley.com

**Correspondent Name:** COOLEY LLP

**Address Line 1:** 101 CALIFORNIA STREET, 5TH FLOOR

**Address Line 4:** SAN FRANCISCO, CALIFORNIA 94111

**ATTORNEY DOCKET NUMBER:** 328560-205

**NAME OF SUBMITTER:** C. RHEM

**SIGNATURE:** /CR/

**DATE SIGNED:** 05/21/2020

#### Total Attachments: 26

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SUPPLEMENT NO. 1 TO THE PATENT SECURITY AGREEMENT, dated as of May 21, 2020 (this “Supplement No. 1 to the Patent Security Agreement” or this “Agreement”), TO THE PATENT SECURITY AGREEMENT (as defined below) among MAGIC LEAP, INC., MOLECULAR IMPRINTS, INC., and MENTOR ACQUISITION ONE, LLC (the “Grantor”) and CITIBANK, N.A. (as successor-in-interest to JP Morgan Chase Bank N.A.), as Collateral Agent (in such capacity, together with its successors and assigns, the “Collateral Agent”).

WHEREAS, the Grantor has acquired or created additional Patents since the date of execution of the Patent Security Agreement;

WHEREAS, Schedule 1 to the Patent Security Agreement does not reflect all Patents acquired or created by the Grantor since the date of execution of the Patent Security Agreement; and

WHEREAS, reference is made to (i) the Amended and Restated Collateral Agreement dated as of May 21, 2020 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Collateral Agreement”), among the Company, the other grantors from time to time party thereto and the Collateral Agent and (ii) that certain Patent Security Agreement, dated as of August 20, 2019, among Grantors and JP Morgan Chase Bank N.A., as collateral agent (the “Patent Security Agreement”).

NOW, THEREFORE, the parties hereto agree as follows:

SECTION 1. Terms. Capitalized terms used in this Supplement No. 1 to the Patent Security Agreement and not otherwise defined herein have the meanings specified in the Collateral Agreement. The rules of construction specified in the Collateral Agreement also apply to this Supplement No. 1 to the Patent Security Agreement, mutatis mutandis.

SECTION 2. Grant of Security Interest. As security for the payment or performance, as the case may be, in full of all Secured Obligations, the Grantor hereby grants to the Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest (the “Security Interest”) in all of the Grantor’s right, title and interest in, to and under the Patents, including the registrations and applications thereof listed on Schedule I (the “Patent Collateral”).

SECTION 3. Collateral Agreement. The Security Interest granted to the Collateral Agent herein is granted in furtherance, and not in limitation, of the security interests granted to the Collateral Agent pursuant to the Collateral Agreement and the Patent Security Agreement. The Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the Patent Collateral are more fully set forth in the Collateral Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Supplement No. 1 to the Patent Security Agreement and the Collateral Agreement, the terms of the Collateral Agreement shall govern.

SECTION 4. Counterparts. This Supplement No. 1 to the Patent Security Agreement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original but all of which when taken together shall

constitute a single contract. Delivery of an executed signature page to this Supplement No. 1 to the Patent Security Agreement by facsimile or other electronic transmission shall be effective as delivery of a manually signed counterpart of this Supplement No. 1 to the Patent Security Agreement.

SECTION 5. GOVERNING LAW. THIS SUPPLEMENT NO. 1 TO THE PATENT SECURITY AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAW OF THE STATE OF NEW YORK.

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IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement  
as of the day and year first above written.

MAGIC LEAP, INC.

By: 

Name: Rony Abovitz

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]



MOLECULAR IMPRINTS, INC.

By: 

Name: Rony Abovitz

Title: Chief Executive Officer and President

[Signature Page to Patent Security Agreement]

MENTOR ACQUISITION ONE, LLC

By: 

Name: Rony Abovitz

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

CITIBANK, N.A., as Collateral Agent,

By:   
Name: Miriam Molina  
Title: Senior Trust Officer

# Schedule I

## US Patent Registrations and Published Patent Applications

Assignee/ Applicant	Title (English)	Application Number	Application Date	Publication Number	Publication Date	Assignee - Current US
MOLECULAR IMPRINTS INC., Austin, TX, US   MOLECULAR IMPRINTS INC	Templates Having High Contrast Alignment Marks	US13021461A	2011-02-04	<u>US8961852B1</u>	2011-08-11	CANON NANOTECHNOLOGIES INC.
MOLECULAR IMPRINTS INC   Molecular Imprints Inc., Austin, TX, US	IMPRINT LITHOGRAPHY TEMPLATE	US14026775A	2013-09-13	<u>US9227361B1</u>	2014-01-09	CANON NANOTECHNOLOGIES INC.
CANON KK   CANON NANOTECHNOLOGIES INC   MOLECULAR IMPRINTS INC   CANON KABUSHIKI KAISHA, Tokyo, JP   CANON NANOTECHNOLOGIES INC., Austin, TX, US   MOLECULAR IMPRINTS INC., Austin, TX, US	Imprint apparatus and article manufacturing tool	US14254364A	2014-04-16	<u>US9770850B2</u>	2017-09-26	MOLECULAR IMPRINTS INC.
CANON KK   CANON NANOTECHNOLOGIES INC   TOSHIBA KK   CANON KABUSHIKI KAISHA, Tokyo, JP   CANON NANOTECHNOLOGIES INC., Austin, TX, US   KABUSHIKI KAISHA TOSHIBA, Tokyo, JP	Imprint apparatus, imprint method, and article manufacturing method	US14309960A	2014-06-20	<u>US10168615B2</u>	2019-01-01	CANON KABUSHIKI KAISHA   MOLECULAR IMPRINTS INC.   KABUSHIKI KAISHA TOSHIBA
MAGIC LEAP INC., Dania Beach, FL, US	Optical system having a return planar waveguide	US14707354A	2015-05-08	<u>US9541383B2</u>	2017-01-10	MAGIC LEAP INC.   Magic Leap Inc.

Assignee/ Applicant	Title (English)	Application Number	Application Date	Publication Number	Publication Date	Assignee - Current US
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	DISPLAY SYSTEM WITH OPTICAL ELEMENTS FOR IN-COUPLING MULTIPLEXED LIGHT STREAMS	US16369890A	2019-03-29	<del>US2019022721A1</del>	2019-07-25	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	ARCHITECTURES AND METHODS FOR OUTPUTTING DIFFERENT WAVELENGTH LIGHT OUT OF WAVEGUIDES	US16384363A	2019-04-15	<del>US2019024314A1</del>	2019-08-08	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	ARCHITECTURES AND METHODS FOR OUTPUTTING DIFFERENT WAVELENGTH LIGHT OUT OF WAVEGUIDES	US16384639A	2019-04-15	<del>US20190243142A1</del>	2019-08-08	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	ELECTROMYOGRAPHIC SENSOR PREDICTION IN AUGMENTED REALITY	US16418820A	2019-05-21	<del>US20190362557A1</del>	2019-11-28	MAGIC LEAP INC
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	Beam angle sensor in virtual/augmented reality system	US16437229A	2019-06-11	<del>US10520737B2</del>	2019-12-31	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	FLICKERING MITIGATION WHEN TOGGING EYEPIECE DISPLAY ILLUMINATION IN AUGMENTED REALITY SYSTEMS	US16519348A	2019-07-23	<del>US20200035031A1</del>	2020-01-30	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	DIFFRACTIVE OPTICAL ELEMENTS WITH MITIGATION OF REBOUNCE-INDUCED LIGHT LOSS AND DISPLAY DEVICES CONTAINING THE SAME	US16520217A	2019-07-23	<del>US20200033604A1</del>	2020-01-30	

Assignee/ Applicant	Title (English)	Application Number	Application Date	Publication Number	Publication Date	Assignee - Current US
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	POSE SPACE DIMENSIONALITY REDUCTION FOR POSE SPACE DEFORMATION OF A VIRTUAL CHARACTER	US16522540A	2019-07-25	<u>US20200035009A1</u>	2020-01-30	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	Interactions with 3D virtual objects using poses and multiple-DOF controllers	US16530901A	2019-08-02	<u>US10510191B2</u>	2019-12-17	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	DEPTH PLANE SELECTION FOR MULTI-DEPTH PLANE DISPLAY SYSTEMS BY USER CATEGORIZATION	US16530904A	2019-08-02	<u>US20200043236A1</u>	2020-02-06	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	FABRICATING NON-UNIFORM DIFFRACTION GRATINGS	US16535965A	2019-08-08	<u>US20190369310A1</u>	2019-12-05	MAGIC LEAP INC.
MAGIC LEAP INC., Plantation, FL, US   MAGIC LEAP INC	DETERMINING PROXIMITY OF TRANSMITTER ANTENNAS OF PORTABLE DEVICES TO A HUMAN BODY FOR LIMITING TRANSMITTER OUTPUT POWER TO MEET SPECIFIC ABSORPTION RATE (SAR) REQUIREMENTS	US16536220A	2019-08-08	<u>US20190363804A1</u>	2019-11-28	MAGIC LEAP INC.
MAGIC LEAP INC., Plantation, FL, US   MAGIC LEAP INC	METHODS AND SYSTEMS FOR DIAGNOSING AND TREATING EYES USING LIGHT THERAPY	US16538590A	2019-08-12	<u>US20200081256A1</u>	2020-03-12	

Assignee/ Applicant	Title (English)	Application Number	Application Date	Publication Number	Publication Date	Assignee - Current US
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	METHODS AND SYSTEMS FOR DIAGNOSING CONTRAST SENSITIVITY	US165386 25A	2019-08- 12	<u>US202000417</u> <u>96A1</u>	2020-02- 06	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	AUGMENTED AND VIRTUAL REALITY DISPLAY SYSTEMS AND METHODS FOR DIAGNOSING HEALTH CONDITIONS BASED ON VISUAL FIELDS	US165386 39A	2019-08- 12	<u>US202000417</u> <u>97A1</u>	2020-02- 06	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	SEE-THROUGH COMPUTER DISPLAY SYSTEMS	US165387 20A	2019-08- 12	<u>US202000418</u> <u>02A1</u>	2020-02- 06	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	VIEWING SYSTEM	US165387 59A	2019-08- 12	<u>US202000904</u> <u>07A1</u>	2020-03- 19	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	METHODS AND SYSTEMS FOR MULTI-ELEMENT LINKAGE FOR FIBER SCANNING DISPLAY	US165421 42A	2019-08- 15	<u>US201903693</u> <u>82A1</u>	2019-12- 05	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	AUGMENTED REALITY SYSTEMS AND METHODS UTILIZING REFLECTIONS	US165432 80A	2019-08- 16	<u>US201903710</u> <u>28A1</u>	2019-12- 05	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	CURRENT DRAIN REDUCTION IN AR/VR DISPLAY SYSTEMS	US165447 07A	2019-08- 19	<u>US201903697</u> <u>24A1</u>	2019-12- 05	

Assignee/ Applicant	Title (English)	Application Number	Application Date	Publication Number	Publication Date	Assignee - Current US
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	WAVEGUIDES HAVING REFLECTIVE LAYERS FORMED BY REFLECTIVE FLOWABLE MATERIALS	US165559 65A	2019-08- 29	<u>US201903839</u> <u>84A1</u>	2019-12- 19	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	SPATIALLY- RESOLVED DYNAMIC DIMMING FOR AUGMENTED REALITY DEVICE	US165577 06A	2019-08- 30	<u>US202000747</u> <u>24A1</u>	2020-03- 05	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	APPARATUS FOR OPTICAL SEE- THROUGH HEAD MOUNTED DISPLAY WITH MUTUAL OCCLUSION AND OPAQUENESS CONTROL CAPABILITY	US165582 41A	2019-09- 02	<u>US202000121</u> <u>09A1</u>	2020-01- 09	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	SEE-THROUGH COMPUTER DISPLAY SYSTEMS WITH STRAY LIGHT MANAGEMENT	US165595 43A	2019-09- 03	<u>US202000731</u> <u>28A1</u>	2020-03- 05	
MAGIC LEAP INC., Plantation, FL, US   MAGIC LEAP INC	VIRTUAL REALITY, AUGMENTED REALITY, AND MIXED REALITY SYSTEMS WITH SPATIALIZED AUDIO	US165606 70A	2019-09- 04	<u>US202000080</u> <u>05A1</u>	2020-01- 02	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	DIRECTED EMITTER/SENSOR FOR ELECTROMAGNE TIC TRACKING IN AUGMENTED REALITY SYSTEMS	US165616 69A	2019-09- 05	<u>US202000734</u> <u>86A1</u>	2020-03- 05	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	METHODS AND SYSTEMS FOR DIAGNOSING AND TREATING PRESBYOPIA	US165623 02A	2019-09- 05	<u>US201903913</u> <u>99A1</u>	2019-12- 26	MAGIC LEAP INC.



Assignee/ Applicant	Title (English)	Application Number	Application Date	Publication Number	Publication Date	Assignee - Current US
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	LIGHT FIELD PROCESSOR SYSTEM	US165637 50A	2019-09- 06	<u>US202000731</u> <u>43A1</u>	2020-03- 05	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	MICROSTRUCTUR ED FIBER OPTIC OSCILLATOR AND WAVEGUIDE FOR FIBER SCANNER	US165651 19A	2019-09- 09	<u>US202000040</u> <u>10A1</u>	2020-01- 02	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	NEURAL NETWORK FOR EYE IMAGE SEGMENTATION AND IMAGE QUALITY ESTIMATION	US165704 18A	2019-09- 13	<u>US202000054</u> <u>62A1</u>	2020-01- 02	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	EYEPIECE FOR VIRTUAL, AUGMENTED, OR MIXED REALITY SYSTEMS	US165709 12A	2019-09- 13	<u>US202000120</u> <u>44A1</u>	2020-01- 09	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	VIRTUAL AND AUGMENTED REALITY SYSTEMS AND METHODS HAVING IMPROVED DIFFRACTIVE GRATING STRUCTURES	US165731 20A	2019-09- 17	<u>US202000260</u> <u>85A1</u>	2020-01- 23	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	DEPTH SENSING TECHNIQUES FOR VIRTUAL, AUGMENTED, AND MIXED REALITY SYSTEMS	US165738 91A	2019-09- 17	<u>US202000148</u> <u>49A1</u>	2020-01- 09	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	METHODS AND SYSTEMS FOR THREE- DIMENSIONAL MODEL SHARING	US165817 16A	2019-09- 24	<u>US202000981</u> <u>73A1</u>	2020-03- 26	MAGIC LEAP INC.

Assignee/ Applicant	Title (English)	Application Number	Application Date	Publication Number	Publication Date	Assignee - Current US
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	SYSTEMS AND METHODS FOR AUGMENTED REALITY	US16582880A	2019-09-25	<del>US20200098191A1</del>	2020-03-26	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	VIRTUAL AND AUGMENTED REALITY SYSTEMS AND METHODS HAVING UNEQUAL NUMBERS OF COMPONENT COLOR IMAGES DISTRIBUTED ACROSS DEPTH PLANES	US16584549A	2019-09-26	<del>US20200018972A1</del>	2020-01-16	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	EYE IMAGING WITH AN OFF-AXIS IMAGER	US16584554A	2019-09-26	<del>US20200018973A1</del>	2020-01-16	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	EYE IMAGE SELECTION	US16585852A	2019-09-27	<del>US20200097080A1</del>	2020-03-26	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	METHOD AND SYSTEM FOR PERFORMING CONVOLUTIONAL IMAGE TRANSFORMATION ESTIMATION	US16588505A	2019-09-30	<del>US20200097819A1</del>	2020-03-26	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	VISUAL TRACKING OF PERIPHERAL DEVICES	US16588830A	2019-09-30	<del>US20200026348A1</del>	2020-01-23	
Molecular Imprints Inc., Austin, TX, US   MOLECULAR IMPRINTS INC	GENERATING A VIRTUAL CONTENT DISPLAY	US16591147A	2019-10-02	<del>US20200033609A1</del>	2020-01-30	MOLECULAR IMPRINTS INC.

Assignee/ Applicant	Title (English)	Application Number	Application Date	Publication Number	Publication Date	Assignee - Current US
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	RENDERING LOCATION SPECIFIC VIRTUAL CONTENT IN ANY LOCATION	US165932 27A	2019-10- 04	<u>US202001112</u> <u>55A1</u>	2020-04- 09	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	COORDINATE FRAME PROCESSING AUGMENTED REALITY	US165937 45A	2019-10- 04	<u>US202000513</u> <u>28A1</u>	2020-02- 13	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	NEAR-FIELD AUDIO RENDERING	US165939 43A	2019-10- 04	<u>US202001128</u> <u>15A1</u>	2020-04- 09	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	EMPHASIS FOR AUDIO SPATIALIZATION	US165939 44A	2019-10- 04	<u>US202001128</u> <u>16A1</u>	2020-04- 09	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	INTERAURAL TIME DIFFERENCE CROSSFADER FOR BINAURAL AUDIO RENDERING	US165939 50A	2019-10- 04	<u>US202001128</u> <u>17A1</u>	2020-04- 09	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	System and method for augmented and virtual reality	US165946 55A	2019-10- 07	<u>US10637897B</u> <u>2</u>	2020-04- 28	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	MECHANICAL JOINT FOR USE IN FIBER OPTIC IMAGING SYSTEMS	US165962 63A	2019-10- 08	<u>US202000498</u> <u>95A1</u>	2020-02- 13	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	SYSTEMS AND METHODS FOR VIRTUAL AND AUGMENTED REALITY	US165966 10A	2019-10- 08	<u>US202001112</u> <u>62A1</u>	2020-04- 09	MAGIC LEAP INC.

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Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	NANOGRATING METHOD AND APPARATUS	US165966 30A	2019-10- 08	<del>US202000417</del> <del>12A1</del>	2020-02- 06	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	SECURE EXCHANGE OF CRYPTOGRAPHIC ALLY SIGNED RECORDS	US165974 37A	2019-10- 09	<del>US202000448</del> <del>64A1</del>	2020-02- 06	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	PATTERNING OF HIGH REFRACTIVE INDEX GLASSES BY PLASMA ETCHING	US165988 68A	2019-10- 10	<del>US202000481</del> <del>43A1</del>	2020-02- 13	
Molecular Imprints Inc., Austin, TX, US   MOLECULAR IMPRINTS INC	MULTI- WAVEGUIDE LIGHT FIELD DISPLAY	US165997 82A	2019-10- 11	<del>US202001247</del> <del>82A1</del>	2020-04- 23	MOLECULAR IMPRINTS INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	METHODS AND APPARATUSES FOR CASTING POLYMER PRODUCTS	US166545 40A	2019-10- 16	<del>US202001169</del> <del>34A1</del>	2020-04- 16	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	AMBIENT ELECTROMAGNE TIC DISTORTION CORRECTION FOR ELECTROMAGNE TIC TRACKING	US166548 79A	2019-10- 16	<del>US202001334</del> <del>05A1</del>	2020-04- 30	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	GENERATING A NEW FRAME USING RENDERED CONTENT AND NON-RENDERED CONTENT FROM A PREVIOUS PERSPECTIVE	US166588 09A	2019-10- 21	<del>US202000513</del> <del>22A1</del>	2020-02- 13	

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Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	System and method for augmented and virtual reality	US166594 15A	2019-10- 21	<del>US10587659B</del> <del>2</del>	2020-03- 10	
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	AUGMENTED REALITY SYSTEMS AND METHODS WITH VARIABLE FOCUS LENS ELEMENTS	US166641 91A	2019-10- 25	<del>US202000573</del> <del>09A1</del>	2020-02- 20	
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	ELECTROMAGNETIC TRACKING WITH AUGMENTED REALITY SYSTEMS	US166701 72A	2019-10- 31	<del>US202000644</del> <del>31A1</del>	2020-02- 27	
Magic Leap Inc.,Plantation,FL, US	SYSTEMS AND METHODS FOR OPTICAL SYSTEMS WITH EXIT PUPIL EXPANDER	US166721 75A	2019-11- 01	<del>US202001421</del> <del>97A1</del>	2020-05- 07	
Magic Leap Inc.,Plantation,FL, US	DIFFRACTION GRATINGS FORMED BY METASURFACES HAVING DIFFERENTLY ORIENTED NANOBEAMS	US166729 83A	2019-11- 04	<del>US202001421</del> <del>10A1</del>	2020-05- 07	MAGIC LEAP INC.
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	System and method for augmented and virtual reality	US166738 80A	2019-11- 04	<del>US10594747B</del> <del>1</del>	2020-03- 17	
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	TECHNIQUES FOR IMPROVING A FIBER SCANNING SYSTEM	US166750 74A	2019-11- 05	<del>US2020000731</del> <del>14A1</del>	2020-03- 05	MAGIC LEAP INC.

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Molecular Imprints Inc.,Austin,TX,US   MOLECULAR IMPRINTS INC	SUBSTRATE LOADING SYSTEM	US166779 19A	2019-11- 08	<del>US202000985</del> <u>96A1</u>	2020-03- 26	MOLECULAR IMPRINTS INC.
Magic Leap Inc.,Plantation,FL, US	VIRTUAL REALITY, AUGMENTED REALITY, AND MIXED REALITY SYSTEMS INCLUDING THICK MEDIA AND RELATED METHODS	US166788 94A	2019-11- 08	<del>US202001421</del> <u>98A1</u>	2020-05- 07	MAGIC LEAP INC.
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	EFFICIENT DATA LAYOUTS FOR CONVOLUTIONAL NEURAL NETWORKS	US166803 35A	2019-11- 11	<del>US202000822</del> <u>15A1</u>	2020-03- 12	
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	SELECTING VIRTUAL OBJECTS IN A THREE- DIMENSIONAL SPACE	US166827 94A	2019-11- 13	<del>US202000815</del> <u>55A1</u>	2020-03- 12	
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	INTERACTIONS WITH 3D VIRTUAL OBJECTS USING POSES AND MULTIPLE-DOF CONTROLLERS	US166828 51A	2019-11- 13	<del>US202000826</del> <u>37A1</u>	2020-03- 12	
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	BEAM ANGLE SENSOR IN VIRTUAL/AUGME NTED REALITY SYSTEM	US166831 07A	2019-11- 13	<del>US10649218B</del> <u>1</u>	2020-03- 12	MAGIC LEAP INC.
Mentor Acquisition One LLC,Plantation,FL, US	SEE-THROUGH COMPUTER DISPLAY SYSTEMS	US166875 79A	2019-11- 18	<del>US202001421</del> <u>89A1</u>	2020-05- 07	

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Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	CALIBRATION OF MAGNETIC AND OPTICAL SENSORS IN A VIRTUAL REALITY OR AUGMENTED REALITY DISPLAY SYSTEM	US16692969A	2019-11-22	<u>US20200096575A1</u>	2020-03-26	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	COLOR SEPARATION IN PLANAR WAVEGUIDES USING DICHROIC FILTERS	US16693162A	2019-11-22	<u>US20200088945A1</u>	2020-03-19	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	DISPLAY FOR THREE-DIMENSIONAL IMAGE	US16694606A	2019-11-25	<u>US20200092538A1</u>	2020-03-19	
MAGIC LEAP INC., Plantation, FL, US   MAGIC LEAP INC	VIRTUAL, AUGMENTED, AND MIXED REALITY SYSTEMS AND METHODS	US16697711A	2019-11-27	<u>US20200098097A1</u>	2020-03-26	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	Polychromatic Light Out-coupling Apparatus, Near-eye Displays Comprising the Same, and Method of Out-coupling Polychromatic Light	US16698588A	2019-11-27	<u>US20200103657A1</u>	2020-04-02	
MAGIC LEAP INC., Plantation, FL, US   MAGIC LEAP INC	TECHNIQUE FOR DIRECTING AUDIO IN AUGMENTED REALITY SYSTEM	US16698794A	2019-11-27	<u>US20200100035A1</u>	2020-03-26	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	DISTRIBUTED AUDIO CAPTURING TECHNIQUES FOR VIRTUAL REALITY (VR), AUGMENTED REALITY (AR), AND MIXED REALITY (MR) SYSTEMS	US16703767A	2019-12-04	<u>US20200112813A1</u>	2020-04-09	

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Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	METHOD AND SYSTEM FOR TUNABLE GRADIENT PATTERNING USING A SHADOW MASK	US167051 27A	2019-12- 05	<u>US202001102</u> <u>78A1</u>	2020-04- 09	MAGIC LEAP INC.
MAGIC LEAP INC., Plantation, FL, US   MAGIC LEAP INC	METHODS AND SYSTEM FOR CREATING FOCAL PLANES USING AN ALVAREZ LENS	US167132 36A	2019-12- 13	<u>US202001169</u> <u>09A1</u>	2020-04- 16	MAGIC LEAP INC.
MAGIC LEAP INC., Plantation, FL, US   MAGIC LEAP INC	TECHNIQUE FOR CONTROLLING VIRTUAL IMAGE GENERATION SYSTEM USING EMOTIONAL STATES OF USER	US167134 34A	2019-12- 13	<u>US202001172</u> <u>69A1</u>	2020-04- 16	MAGIC LEAP INC.
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	SYSTEM AND METHOD FOR AUGMENTED AND VIRTUAL REALITY	US167198 23A	2019-12- 18	<u>US202001280</u> <u>54A1</u>	2020-04- 23	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	METHODS AND SYSTEMS FOR DETECTING AND COMBINING STRUCTURAL FEATURES IN 3D RECONSTRUCTION	US167198 32A	2019-12- 18	<u>US202001262</u> <u>98A1</u>	2020-04- 23	
Magic Leap Inc., Plantation, FL, US   MAGIC LEAP INC	DETAILED EYE SHAPE MODEL FOR ROBUST BIOMETRIC APPLICATIONS	US167198 76A	2019-12- 18	<u>US202001258</u> <u>43A1</u>	2020-04- 23	
MAGIC LEAP INC., Plantation, FL, US   MAGIC LEAP INC	CAMERA CALIBRATION SYSTEM, TARGET, AND PROCESS	US167212 91A	2019-12- 19	<u>US202001282</u> <u>35A1</u>	2020-04- 23	MAGIC LEAP INC.



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Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	ECLIPSE CURSOR FOR MIXED REALITY DISPLAYS	US167215 54A	2019-12- 19	<del>US202001351</del> <del>41A1</del>	2020-04- 30	
Magic Leap Inc.,Plantation,FL, US   MAGIC LEAP INC	CONTINUOUS TIME WARP AND BINOCULAR TIME WARP FOR VIRTUAL AND AUGMENTED REALITY DISPLAY SYSTEMS AND METHODS	US167218 15A	2019-12- 19	<del>US202001362</del> <del>92A1</del>	2020-04- 23	MAGIC LEAP INC.
Magic Leap Inc.,Plantation,FL, US	DEPTH SENSING SYSTEMS AND METHODS	US167377 65A	2020-01- 08	<del>US202001435</del> <del>53A1</del>	2020-05- 07	MAGIC LEAP INC.
Magic Leap Inc.,Plantation,FL, US	POLARIZING MAINTAINING OPTICAL FIBER IN VIRTUAL/AUGME NTED REALITY SYSTEM	US167377 89A	2020-01- 08	<del>US202001456</del> <del>25A1</del>	2020-05- 07	MAGIC LEAP INC.
Mentor Acquisition One LLC,Plantation,FL, US	See-Through Computer Display Systems	15988313		10481393		Mentor Acquisition One, LLC
Magic Leap Inc.,Plantation,FL, US	DOUBLE-SIDED IMPRINTING	15990155				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	MECHANICAL JOINT FOR USE IN FIBER OPTIC IMAGING SYSTEMS	15991851		10481337		Magic Leap, Inc.

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Magic Leap Inc.,Plantation,FL, US	HEAD POSE MIXING OF AUDIO FILES	16861057				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	SYSTEM AND METHOD FOR VIRTUAL AND AUGMENTED REALITY	16864721				Magic Leap, Inc.
Mentor Acquisition One LLC,Plantation,FL, US	USER INTERFACE SYSTEMS FOR HEAD-WORN COMPUTERS	16864822				Mentor Acquisition One, LLC
Magic Leap Inc.,Plantation,FL, US	MODE ARCHITECTURE FOR GENERAL PURPOSE ROBOTICS	16865225				Magic Leap, Inc.
Mentor Acquisition One LLC,Plantation,FL, US	SEE-THROUGH COMPUTER DISPLAY SYSTEMS	16867498				Mentor Acquisition One, LLC
Magic Leap Inc.,Plantation,FL, US	DETERMINING PROXIMITY OF TRANSMITTER ANTENNAS OF PORTABLE DEVICES TO A HUMAN BODY FOR LIMITING TRANSMITTER OUTPUT POWER TO MEET SPECIFIC ABSORPTION RATE (SAR) REQUIREMENTS	16867871				Magic Leap, Inc.

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Magic Leap Inc.,Plantation,FL, US	VIRTUAL AND AUGMENTED REALITY SYSTEMS AND METHODS HAVING IMPROVED DIFFRACTIVE GRATING STRUCTURES	16868826				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DIFFRACTION GRATING AND METHOD OF MANUFACTURE	16870676				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	BLENDED MODE THREE DIMENSIONAL DISPLAY SYSTEMS AND METHODS	16872792				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	METHODS AND APPARATUSES FOR CORNER DETECTION USING NEURAL NETWORK AND CORNER DETECTOR	16875499				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29733537				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29733540				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29733550				Magic Leap, Inc.

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Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29733591				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29733596				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH A TRANSITIONAL GRAPHICAL USER INTERFACE	29733645				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH A TRANSITIONAL MIXED REALITY GRAPHICAL USER INTERFACE	29734265				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29734433				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29734438				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29734504				Magic Leap, Inc.

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Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29734505				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29734508				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29734523				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29734628				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	DISPLAY PANEL OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29734637				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	SUPERIMPOSED DIFFRACTION GRATINGS FOR EYEPIECES	62768672				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	EYE TRACKING LATENCY ENHANCEMENT S	62945562				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	CROSS REALITY SYSTEM FOR LARGE SCALE ENVIRONMENT S	63017227				Magic Leap, Inc.

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Magic Leap Inc.,Plantation,FL, US	IMAGE DESCRIPTOR NETWORK WITH IMPOSED HIERARCHICAL NORMALIZATION	63019211				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	AUDIOVISUAL PRESENCE TRANSITIONS IN A COLLABORATIVE REALITY ENVIRONMENT	63020781				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	CONVOLUTION- BASED CAMERA AND DISPLAY CALIBRATION	63020787				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	METHOD AND SYSTEM FOR DETECTING FIBER POSITION IN A FIBER SCANNING PROJECTOR	63022019				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	COMPUTATIONALLY EFFICIENT METHOD FOR COMPUTING A COMPOSITE REPRESENTATION OF A 3D ENVIRONMENT	63023089				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	PRIVACY PRESERVING EXPRESSION GENERATION FOR AUGMENTED OR VIRTUAL REALITY CLIENT APPLICATIONS	63023719				Magic Leap, Inc.

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Magic Leap Inc.,Plantation,FL, US	SCALABLE THREE- DIMENSIONAL OBJECT RECOGNITION IN A CROSS REALITY SYSTEM	63024291				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	EYEPIECES FOR AUGMENTED REALITY DISPLAY SYSTEM	63024343				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	METHOD AND SYSTEM FOR PUPIL SEPARATION IN A DIFFRACTIVE EYEPIECE WAVEGUIDE DISPLAY	63024858				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	METHOD AND SYSTEM FOR INTEGRATION OF REFRACTIVE OPTICS WITH A DIFFRACTIVE EYEPIECE WAVEGUIDE DISPLAY	63025069				Magic Leap, Inc.
Magic Leap Inc.,Plantation,FL, US	TAPERED SCANNING FIBER WITH POLARIZATION MAINTAINING ELEMENTS	63025726				Magic Leap, Inc.